

## **AMENDMENTS TO THE CLAIMS**

Please amend, without prejudice, claims 8, 9, 10 and 11 as indicated below.

1. (original) A removable memory card for storing data in a non-volatile, non-rotating storage medium, comprising:
  - a host interface;
  - a non-volatile memory array; and
  - a buffer cache in communication with the host interface and the non-volatile memory array, the buffer cache having at least a first portion and a second portion for storing data, the first portion having a first policy, the second portion having a second policy, the first policy and the second policy being separately selected.
2. (original) The removable memory card of claim 1 wherein the first policy is a write-through cache policy.
3. (original) The removable memory card of claim 1 wherein the first policy is a write-back cache policy.
4. (original) The removable memory card of claim 1 wherein the first portion functions as a read cache such that when a first group of data that is stored in the non-volatile memory array is requested, the first group of data and a second group of data that is not requested are read from the non-volatile memory array and the second group of data is stored in the first portion.
5. (original) The removable memory card of claim 1 wherein the first portion is used to store data that is used by a central processing unit that is not part of a data stream.
6. (original) The removable memory card of claim 1 wherein the first portion and the second portion are segments of a segmented cache.

7. (original) The removable memory card of claim 1 further comprising a third portion having a third policy and a fourth portion having a fourth policy.

8. (currently amended) The removable memory card of claim 7, further comprising a central processing unit, wherein the first policy is a write-through policy, the second policy is a write-back policy, the third policy is a read cache policy and the fourth policy is a central processing unit data storage policy.

9. (currently amended) The removable memory card of claim 1 wherein the size of the first portion may be modified.

10. (currently amended) The removable memory card of claim 1 wherein the size of the first portion may be modified during operation of the card in response to host command sequences.

11. (currently amended) The removable memory card of claim 1 further comprising a central processing unit that controls the operation of the buffer cache.

12 – 22 (cancelled)

23. (original) A removable memory card for storing data in a non-volatile, non-rotating storage medium, comprising:

a host interface for connecting to a host;  
style="padding-left: 40px;">a non-volatile, non-rotating memory array; and  
style="padding-left: 40px;">a read-look-ahead cache interposed between the host interface and the non-volatile, non-rotating memory array, the read-look-ahead cache storing a non-requested portion of data that is sequential to a requested portion of data requested by the host.

24. (original) The removable memory card of claim 23 wherein the read-look-ahead cache is a segment of a segmented buffer cache.

25. (original) The removable memory card of claim 23 wherein the non-requested portion of data is the maximum amount of data that may be stored in the read-look-ahead cache.

26. (original) The removable memory card of claim 23 further comprising a central processing unit that controls the read-look-ahead cache and a static random access memory connected to the central processing unit.

27 – 31 (cancelled)